

Notice of Allowability

Application No.

10/643,072

Applicant(s)

DIARD ET AL.

Examiner

Art Unit

Mackly Monestime

2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/21/05.
2. ☒ The allowed claim(s) is/are 1-29.
3. ☒ The drawings filed on 8/18/03 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Reasons for allowance

The following is an examiner's statement of reasons for allowance:

1. The prior art of record failed to teach or suggest individually or in combination a graphics processing subsystem for a computer system having a first memory and a second memory having plurality of storage locations, wherein the graphics system further comprising the uniquely distinct features: "wherein first storage locations in the first memory and second storage in the second memory are uniquely identifiable by respective first and second private addresses internal to the graphics processing subsystem, and wherein the first graphics processor is configured to access the second storage location in the second memory by referencing the second private address" (as per claim 1); further failed to disclose: "assigning a respective unique private address to each of the storage locations in each of the first and second memories, wherein the private addresses are internal to the graphics processing subsystem; and referencing a target address that matches a private address of one of the storage locations in the second memory; identifying a target storage location in the second memory based on the matched private address; and accessing the target storage location in the second memory" (as per claim 19); and also further failed to disclose: "assigning a respective unique private address to each of the storage locations in each of the first and second memories, wherein the private addresses are internal to the graphics processing subsystem; and referencing a destination address that matches a private address of one of the storage locations in the second memory; identifying a destination storage location in the second memory based on the matched private address; and initiating a

Art Unit: 2676

data transfer from the source location to the destination location (as per claims 28 and 29). These distinct features of the present claims invention have not found to be anticipated, suggested or made obvious by the prior art of record, either singularly or in combination.

2. The prior art of record failed to teach or suggest individually or in combination a graphics processing subsystem for a computer system having a first memory and a second memory having plurality of storage locations, wherein the graphics system further comprising the uniquely distinct features: "a bridge unit coupled to each of the first and second memory interfaces and configured to assign a unique private address to each of the storage locations in each of the first and second memories; and wherein the bridge unit is configured to process the first memory access request by accessing the second memory interface in the event that the address matches a private address of one of the storage locations in the second memory (as per claim 15). These distinct features of the present claims invention have not found to be anticipated, suggested or made obvious by the prior art of record, either singularly or in combination.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mackly Monestime whose telephone number is (571) 272-7786. The examiner can normally be reached on Monday to Thursday from 7:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bella Matthew, can be reached on (571) 272-7778.

Any response to this action should be mailed to:

Commissioner of Patent and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,

Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Mackly Monestime


Patent Examiner



MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

May 17, 2005